SONY

LCD PROJECTOR

VPL-ES3

Bright. Stylish. Affordable.

The VPL-ES3 LCD projector is perfect for business, education and home use. Equipped with super bright 2000 ANSI lumens and 3LCD technology, colours are accurate and vivid, even under strong ambient lighting. This is a truly affordable and stylish projector that will bring a smile to your face.

2000 ANSI Lumens

Enjoy bright and crisp projection with the VPL-ES3.

Low Fan Noise

Emitting only 29dB during standard mode operation, the projector is whisper quiet.

Multiple Inputs & Control

Accepts a wide variety of video input signals (Standard Definition to High Definition), including composite, S-Video (Y/C), and analog RGB/ component via the HD D-sub 15 pin interface. Also accepts computer signals from VGA up to SXGA+.

Monitor Output

By connecting an external monitor to the projector, the presenter can conduct a professional presentation without looking at the projector screen and having to turn his back to the audience.

Password Authentication System (Security Lock)

A four digit password system helps to prevent unauthorised use of the projector.

3LCD Technology

Produces high light transmission and excellent colour reproduction that in turn, helps to generate vivid and natural images.

Other Features

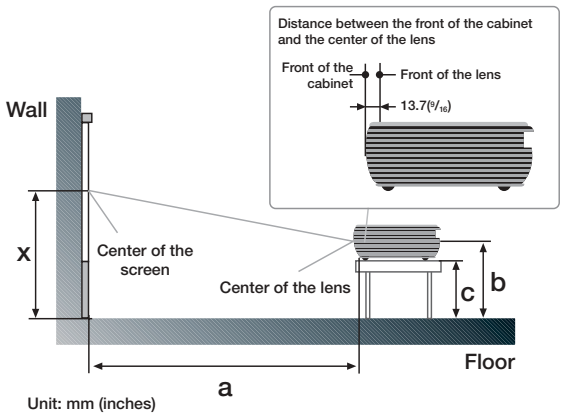
- RS-232C Control
- Short Projection Distance
- Six Picture Modes
- Digital Zoom Function (Up to 4x)
- Freeze
- Control Panel Key Lock
- Smart APA (Auto Pixel Alignment)
- Multi Language OSD
- Audio Output
- Ceiling Mountable Design*

* Requires an optional ceiling mount kit. Please contact your local Sony sales office for details.

Note: Not all colours are available in all countries (where colour variations are available). Please check with your local dealers for more information.

like.no.other™

Installation Diagram



Unit: mm (inches)

This section describes the examples of installing the projector on a desk, etc.

The alphabetical letters in the illustration indicate the distances below.

a: distance between the screen and the center of the lens
b: distance between the floor and the center of the lens
c: distance between the floor and the bottom of the adjusters of the projector
x: distance between the floor and the center of the screen (free)

Floor Installation (Front Projection)

Unit: mm (inches)

SS		40	60	80	100	120	150	180	200	250	300
a	N	1190	1800	2400	3010	3620	4530	5440	6040	7560	9080
		(46•7/8)	(70•7/8)	(94•1/2)	(118•17/32)	(142•5/8)	(178•3/8)	(214•1/4)	(237•7/8)	(297•3/4)	(357•5/8)
	M	1370	2070	2760	3460	4160	5200	6240	6940	8680	10420
		(54)	(81•5/8)	(108•3/4)	(136•1/4)	(163•7/8)	(204•3/4)	(245•3/4)	(273•3/8)	(341•7/8)	(410•3/8)
b		x-203	x-305	x-406	x-508	x-610	x-762	x-914	x-1016	x-1270	x-1524
		(x-8)	(x-12•1/8)	(x-16)	(x-20)	(x-24•1/8)	(x-30)	(x-36)	(x-40)	(x-50)	(x-60)
c		x-271	x-372	x-474	x-576	x-677	x-830	x-982	x-1084	x-1338	x-1592
		(x-10•3/4)	(x-14•3/4)	(x-18•3/4)	(x-22•3/4)	(x-26•3/4)	(x-32•3/4)	(x-38•3/4)	(x-42•3/4)	(x-52•3/4)	(x-62•3/4)

- a(N) = {(SS * 18.56/0.6299)-24.0} * 1.03
- a(M) = {(SS * 22.61/0.6299)-24.0} * 0.97
- b = x-(SS/0.6299 * 3.2)
- c = x-(SS/0.6299 * 3.2+67.6)

Preset Signals

No	Preset Signal		fH (kHz)	fV (Hz)	Sync	Size
1	VIDEO/60	60Hz	15.734	59.940	-	-
2	VIDEO/50	50Hz	15.625	50.000	-	-
3	480/60i	480/60i	15.734	59.940	S on G/Y	-
4	575/50i	575/50i	15.625	50.000	S on G/Y	-
5	480/60p	480/60p (progressive component)	31.470	60.000	S on G/Y	-
6	575/50p	575/50p (progressive component)	31.250	50.000	S on G/Y	-
7	1080/60i	1035/60i, 1080/60i	33.750	60.000	S on G/Y	-
8	1080/50i	1080/50i	28.130	50.000	S on G/Y	-
10	720/60p	720/60p	45.000	60.000	S on G/Y	-
11	720/50p	720/50p	37.500	50.000	S on G/Y	-
21	640x350	VGA mode 1	31.469	70.086	P/N	800
22		VGA VESA 85Hz	37.861	85.080	P/N	832
23	640x400	PC-9801 Normal	24.823	56.416	N/N	848
24		VGA mode 2	31.469	70.086	N/P	800
25		VGA VESA 85Hz	37.861	85.080	N/P	832
26	640x480	VGA mode 3	31.469	59.940	N/N	800
27		Macintosh 13"	35.000	66.667	N/N	864
28		VGA VESA 72Hz	37.861	72.809	N/N	832
29		VGA VESA 75Hz	37.500	75.000	N/N	840
30		VGA VESA 85Hz	43.269	85.008	N/N	832
31	800x600	SVGA VESA 56Hz	35.156	56.250	P/P	1024
32		SVGA VESA 60Hz	37.879	60.317	P/P	1056
33		SVGA VESA 72Hz	48.077	72.188	P/P	1040
34		SVGA VESA 75Hz	46.875	75.000	P/P	1056
35		SVGA VESA 85Hz	53.674	85.061	P/P	1048
36	832x624	Macintosh 16"	49.724	74.550	N/N	1152
37	1024x768	XGA VESA 60Hz	48.363	60.004	N/N	1344
38		XGA VESA 70Hz	56.476	69.955	N/N	1328
39		XGA VESA 75Hz	60.023	75.029	P/P	1312
40		XGA VESA 85Hz	68.677	84.997	P/P	1376
41	1152x864	SXGA VESA 70Hz	63.995	70.019	P/P	1472
42		SXGA VESA 75Hz	67.500	75.000	P/P	1600
43		SXGA VESA 85Hz	77.487	85.057	P/P	1568
44	1152x900	SUN LO	61.795	65.960	N/N	1504
45	1280x960	SXGA VESA 60Hz	60.000	60.000	P/P	1800
46		SXGA VESA 75Hz	75.000	75.000	P/P	1728
47	1280x1024	SXGA VESA 60Hz	63.974	60.013	P/P	1696
48		SXGA VESA 75Hz	79.976	75.025	P/P	1688
49*		SXGA VESA 85Hz	91.146	85.024	P/P	1476
50	1400x1050	SXGA+ 60Hz	63.981	60.020	N/N	1688

* For memory no. 49, the smart APA function and the APA key on the remote commander are not active. Make adjustments for the input signal using the Adjust signal on the Input setting menu.

Supplied Accessories

- Remote Commander
- Lithium battery CR2025
- HD D-sub 15 pin cable, Carrying case and Security label
- Operating Instructions (CD-ROM)
- Quick reference manual and Safety regulations

Specifications

	Model Name		VPL-ES3
Optical	Projection System		3LCD panels, 1 lens projection system
	Panel		Super high aperture 0.63-inch TFT LCD 1,440,000 pixels (480,000 pixels x 3)
	Lens	Zoom	1.2 times
		F	1.6 to 1.94
		f	f = 18.8 to 22.6mm
	Lamp		165W
	Lamp Life		2000H (lamp mode high)/ 3000H (lamp mode standard)
	Screen Size		40" to 300" (measured diagonally)
	Throwing Distance		
		40-inch	1.2 to 1.4m (3.9 to 4.6 feet)
		80-inch	2.3 to 2.8m (7.5 to 9.2 feet)
		100-inch	2.9 to 3.6m (9.5 to 11.8 feet)
		200-inch	5.9 to 7.2m (19.4 to 23.6 feet)
		300-inch	8.8 to 10.7m (28.9 to 35.1 feet)
	Light Output		2000 ANSI lm (lamp mode high) (Standard: Approx. 1500 ANSI lm)
	Contrast (all white & black)		300:1
Signals	Color System		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60
	Resolution	Video	500TV lines
		RGB	800 x 600
	Acceptable Signals	Computer	fH: 19-92kHz, fV: 48-92Hz up to SXGA+ 15kHz RGB/Component 50/60Hz Progressive Component 50/60Hz
		Video	DTV (480/60i, 575/50i, 1080/60i, 480/60p, 575/50p, 1080/50i, 720/60p, 720/50p) Composite video, Y/C video
General	Speaker	Mono	Mono 1W(max.) x 1
	Power Requirements		AC 100 to 240V, 50/60Hz
	Power Consumption	Max	220W
		Standby	10W
	Heat Dissipation		750.7 BTU
	Operating Temperature		0 to 35 degrees Celsius (32 to 95 F)
	Operating Humidity		35% to 85% (no condensation)
	Storage Temperate		-20 to 60 degrees (-4 to 140 F)
	Storage Humidity		10 to 90%
	Fan Noise		29 dB (lamp mode standard) (36 dB when the lamp mode is high)
	Image Flip		Off/H/V/HV
	Dimension (W x H x D)	mm	308 x 98 x 252mm (without projecting parts)
	Weight	kg	Approx. 2.9kg
	OSD (language)		15 - language (English, French, German, Italian, Spanish, Portuguese, Japanese, Chinese (Simplified/Traditional), Korean, Russian, Dutch, Norwegian, Swedish, Thai)
Interface	Input	RGB/Component	HD D-sub 15 pin x 1
		S-Video	Mini DIN 4 pin x 1
		Composite	RCA pin x 1
		Audio	Stereo mini x 1
	Output	RGB	HD D-sub 15 pin x 1
		Audio	Variable audio out
	Remote In/Out	RS232C	D sub 9-pin
Safety Regulations			UL60950, cUL (CSA No.60950-1), FCC Class B, IC Class B, CB (IEC 60950-1), FIMKO (EN60950), CE (LVD, EMC), C-Tick, VCCI, JEITA, DENAN, CCC, NOM, SASO, MIC, PSB